

Chemical Properties of the Soils

Geneva County, Alabama

NOTE: Absence of an entry indicates that data were not estimated.

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
AaB:								
Alaga-----	0-6	---	2.0-8.0	3.6-6.0	0	0	0	0
	6-99	---	1.0-6.0	3.6-6.0	0	0	0	0
ApA:								
Alpin-----	0-3	3.0-15	---	4.5-6.5	0	0	0.0-2.0	0
	3-54	3.0-6.0	---	4.5-6.5	0	0	0.0-2.0	0
	54-99	3.0-5.0	---	4.5-6.5	0	0	0.0-2.0	0
ArA:								
Ardilla-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-5.5	---	---	0	---
Bb:								
Bibb-----	0-12	---	4.0-10	3.6-5.5	0	0	0	0
	12-60	---	4.0-10	3.6-5.5	0	0	0	0
Osier-----	0-8	---	---	3.6-6.0	---	---	0	---
	8-48	---	---	3.6-6.0	---	---	0	---
	48-75	---	---	3.6-6.0	---	---	0	---
BK:								
Bigbee-----	0-17	---	---	4.5-6.0	---	---	0	---
	17-80	---	---	4.5-6.0	---	---	0	---
Kalmia-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-32	---	---	4.5-5.5	---	---	0	---
	32-60	---	---	4.5-5.5	---	---	0	---
Eunola-----	0-10	---	2.0-10	4.5-5.5	0	0	0	0
	10-26	---	2.0-12	4.5-5.5	0	0	0	0
	26-52	---	2.0-12	4.5-5.5	0	0	0	0
	52-56	---	1.0-6.0	4.5-5.5	0	0	0	0
	56-65	---	1.0-6.0	4.5-5.5	0	0	0	0
BoB:								
Bonifay-----	0-57	2.0-6.0	---	4.5-6.5	0	0	0.0-2.0	0
	57-63	3.0-20	---	4.5-6.5	0	0	0.0-2.0	0
	63-73	5.0-20	---	4.5-6.5	0	0	0.0-2.0	0
By:								
Byars-----	0-13	---	2.0-7.0	3.6-5.5	0	0	0	0
	13-43	---	4.0-7.0	3.6-5.5	0	0	0	0
	43-73	---	3.0-7.0	3.6-5.5	0	0	0	0
	73-79	---	---	---	---	---	---	---
Cb:								
Chastain-----	0-5	---	10-25	3.5-6.0	0	0	0	0
	5-52	---	7.0-45	3.5-6.0	0	0	0	0
	52-72	---	1.0-5.0	3.5-6.0	0	0	0	0
Bibb-----	0-12	---	4.0-10	3.6-5.5	0	0	0	0
	12-60	---	4.0-10	3.6-5.5	0	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
DoA:								
Dothan-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-33	---	---	4.5-6.0	---	---	0	---
	33-60	---	---	4.5-6.0	---	---	0	---
DoB:								
Dothan-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-33	---	---	4.5-6.0	---	---	0	---
	33-60	---	---	4.5-6.0	---	---	0	---
DoC:								
Dothan-----	0-13	---	---	4.5-6.0	---	---	0	---
	13-33	---	---	4.5-6.0	---	---	0	---
	33-60	---	---	4.5-6.0	---	---	0	---
EsB:								
Esto-----	0-8	---	---	3.6-5.5	0	0	0	0
	8-13	---	---	3.6-5.5	0	0	0	0
	13-62	---	---	3.6-5.5	0	0	0	0
EsC:								
Esto-----	0-8	---	---	3.6-5.5	0	0	0	0
	8-13	---	---	3.6-5.5	0	0	0	0
	13-62	---	---	3.6-5.5	0	0	0	0
Eu:								
Eunola-----	0-10	---	2.0-10	4.5-5.5	0	0	0	0
	10-26	---	2.0-12	4.5-5.5	0	0	0	0
	26-52	---	2.0-12	4.5-5.5	0	0	0	0
	52-56	---	1.0-6.0	4.5-5.5	0	0	0	0
	56-65	---	1.0-6.0	4.5-5.5	0	0	0	0
FuB:								
Fuquay-----	0-34	---	---	4.5-6.0	0	0	0	0
	34-45	---	---	4.5-6.0	0	0	0	0
	45-96	---	---	4.5-6.0	0	0	0	0
	96-99	---	---	---	---	---	---	---
Gr:								
Grady-----	0-5	---	---	3.6-5.5	---	---	0	---
	5-11	---	---	3.6-5.5	---	---	0	---
	11-62	---	---	3.6-5.5	---	---	0	---
KaA:								
Kalmia-----	0-14	---	---	4.5-6.0	---	---	0	---
	14-32	---	---	4.5-5.5	---	---	0	---
	32-60	---	---	4.5-5.5	---	---	0	---
Le:								
Leaf-----	0-9	---	---	3.6-5.5	---	---	0	---
	9-72	---	---	3.6-5.5	---	---	0	---
Lenoir-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-75	---	---	3.6-5.5	---	---	0	---
LuB:								
Lucy-----	0-24	---	---	5.1-6.0	---	---	0	---
	24-35	---	---	4.5-5.5	---	---	0	---
	35-70	---	---	4.5-5.5	---	---	0	---
OrA:								
Orangeburg-----	0-7	---	1.0-2.0	4.5-6.0	0	0	0	0
	7-12	---	2.0-3.0	4.5-6.0	0	0	0	0
	12-54	---	2.5-4.0	4.5-5.5	0	0	0	0
	54-64	---	2.0-3.0	4.5-5.5	0	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
OrB:								
Orangeburg-----	0-7	---	1.0-2.0	4.5-6.0	0	0	0	0
	7-12	---	2.0-3.0	4.5-6.0	0	0	0	0
	12-54	---	2.5-4.0	4.5-5.5	0	0	0	0
	54-64	---	2.0-3.0	4.5-5.5	0	0	0	0
OrC:								
Orangeburg-----	0-7	---	1.0-2.0	4.5-6.0	0	0	0	0
	7-12	---	2.0-3.0	4.5-6.0	0	0	0	0
	12-54	---	2.5-4.0	4.5-5.5	0	0	0	0
	54-64	---	2.0-3.0	4.5-5.5	0	0	0	0
Pm:								
Plummer-----	0-50	---	1.0-3.0	3.6-5.5	0	0	0	0
	50-72	---	2.0-4.0	3.6-5.5	0	0	0	0
Ra:								
Rains-----	0-12	---	1.0-5.0	3.6-6.5	0	0	0	0
	12-40	---	2.0-5.0	3.6-5.5	0	0	0	0
	40-62	---	2.0-7.0	3.6-5.5	0	0	0	0
	62-79	---	1.0-6.0	3.6-5.5	0	0	0	0
RbA:								
Red Bay-----	0-6	---	---	4.5-6.0	---	---	0	---
	6-20	---	---	4.5-6.0	---	---	0	---
	20-52	---	---	4.5-5.5	---	---	0	---
	52-72	---	---	4.5-5.5	---	---	0	---
RbB:								
Red Bay-----	0-6	---	---	4.5-6.0	---	---	0	---
	6-20	---	---	4.5-6.0	---	---	0	---
	20-52	---	---	4.5-5.5	---	---	0	---
	52-72	---	---	4.5-5.5	---	---	0	---
RbC:								
Red Bay-----	0-6	---	---	4.5-6.0	---	---	0	---
	6-20	---	---	4.5-6.0	---	---	0	---
	20-52	---	---	4.5-5.5	---	---	0	---
	52-72	---	---	4.5-5.5	---	---	0	---
RsD:								
Red Bay-----	0-6	---	---	4.5-6.0	---	---	0	---
	6-20	---	---	4.5-6.0	---	---	0	---
	20-52	---	---	4.5-5.5	---	---	0	---
	52-72	---	---	4.5-5.5	---	---	0	---
TrB:								
Troup-----	0-53	---	---	4.5-6.0	---	---	0	---
	53-80	---	---	4.5-5.5	---	---	0	---
TrC:								
Troup-----	0-53	---	---	4.5-6.0	---	---	0	---
	53-80	---	---	4.5-5.5	---	---	0	---